

Converting Colors

XYZ(33.3661, 38.5855, 17.7721)

Have a look what the booklet for
XYZ(33.3661, 38.5855, 17.7721)
contains.

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Color

**XYZ(33.4407, 38.5920,
17.7431)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAB64
RGB	170, 171, 100
RGB Percent	67%, 67%, 39%
CMY	0.3333, 0.3294, 0.6078
CMYK	0.01, 0.00, 0.42, 0.33
HSL	61°, 30%, 53%
HSV	61°, 42%, 67%
XYZ	33.4407, 38.5920, 17.7431
YIQ	162.6070, 22.1950, -22.2930

Conversions

Conversions Part 2

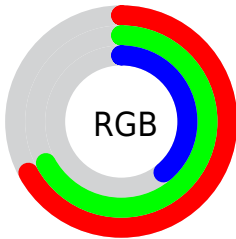
Format	Color
RYB	100, 171, 101
Decimal	11184996
CIELab	68.45, -11.05, 36.37
CIELCh	68, 38.012, 106.899
Yxy	38.5920, 0.3725, 0.4299
Android (android.graphics.Color)	4289375076 (0xFFAAAB64)
YUV	162.6070, -30.8653, 6.4837
Hunter-Lab	62.1225, -12.6272, 26.5516

Details

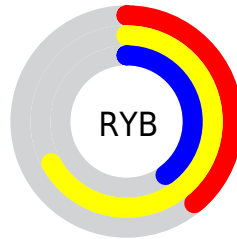
The XYZ color **33.4407, 38.5920, 17.7431** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.2761, 14.8223, 40.4809**, and the grayscale version is **34.7618, 36.5721, 39.8270**.

A 20% lighter version of the original color is **64.2279, 72.8285, 40.3779**, and **14.3968, 17.1457, 5.6826** is the 20% darker color. If you saturate the color by 10%, you get **32.6465, 38.2697, 13.8298**, and if you desaturate by 10%, it is **34.4106, 38.9874, 22.5730**.

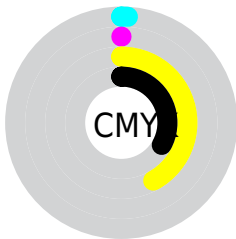
Distribution



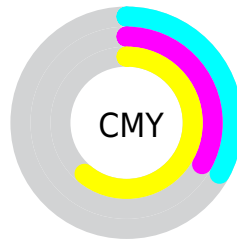
- Red (67%)
- Green (67%)
- Blue (39%)



- Red (39%)
- Yellow (67%)
- Blue (40%)



- Cyan (1%)
- Magenta (0%)
- Yellow (42%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4407, 38.5920, 17.7431 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.4407, 38.5920, 17.7431 by changing the saturation by 10% instead.

■ 33.4407, 38.5920,
17.7431

■ 33.4407, 38.5920,
17.7431

309.2609,
340.1527, 251.6063

■ 22.6251, 26.4425,
10.5982

■ 64.4130, 73.0146,
40.4071

■ 14.4361, 17.1550,
5.6866

■ 85.3005, 96.0565,
56.7632

■ 8.5083, 10.3450,
2.5898

■ 110.2760,
123.4980, 77.0269

■ 4.4764, 5.6283,
0.8872

■ 139.7048,
155.7234, 101.6165

■ 1.9750, 2.6204,
0.0000

173.9524,
193.1172, 130.9508

■ 0.6199, 0.9369,
0.0000

213.3840,

■ 0.0000, 0.0000,

236.0637, 165.4481

0.0000

258.3651,
284.9475, 205.5271

■ 33.4407, 38.5920,
17.7431

■ 33.4407, 38.5920,
17.7431

■ 32.6465, 38.2697,
13.8298

■ 34.4106, 38.9874,
22.5730

■ 32.0143, 38.0108,
10.7731

■ 35.5634, 39.4546,
28.3697

■ 31.5328, 37.8121,
8.5092

■ 36.9093, 39.9990,
35.1828

■ 31.1880, 37.6682,
6.9651

■ 38.4570, 40.6242,
43.0578

■ 30.9635, 37.5724,
6.0537

■ 40.2145, 41.3333,
52.0372

■ 30.8369, 37.5167,
5.6162

■ 42.1895, 42.1294,
62.1616

■ 44.3893, 43.0154,
73.4690

■ 46.8208, 43.9941,
85.9962

■ 49.4906, 45.0682,
99.7779

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.3471, 38.5920, 17.4272



33.4407, 38.5920, 17.7431



28.9141, 38.5920, 23.3070

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.4407, 38.5920, 17.7431



29.3761, 38.5920, 70.9189



49.0488, 38.5920, 49.9292

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.4407, 38.5920, 17.7431



17.2761, 14.8223, 40.4809

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.7263, 38.5920, 68.7547



33.4407, 38.5920, 17.7431



34.1372, 38.5920, 82.9116

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.4407, 38.5920, 17.7431



26.7481, 38.5920, 52.3305



40.1232, 38.5920, 82.0265



48.8099, 38.5920, 33.1616

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.4407, 38.5920, 17.7431



27.0940, 38.5920, 30.3860



40.1232, 38.5920, 82.0265



48.2974, 38.5920, 56.2990

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.4416, 38.5938, 17.7439



65.9207, 71.5599, 62.1031



23.6533, 18.6933, 14.4186



14.6296, 15.9294, 13.4891



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4416, 38.5938, 17.7439



58.5465, 68.5683, 25.1666



26.9370, 35.2405, 17.4395



8.6513, 9.3243, 8.5572



23.2491, 28.2824, 4.2337



0.6502, 0.7886, 0.1179

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.2761, 14.8223, 40.4809



25.5863, 20.0957, 71.5322



21.9814, 17.2480, 40.7011



7.5890, 7.7624, 10.0510



5.5680, 2.2303, 29.1815



0.1582, 0.0638, 0.8120

Previews

White Background



This preview shows how the XYZ color 33.4407, 38.5920, 17.7431 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.4407, 38.5920, 17.7431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

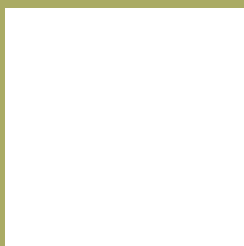
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4407, 38.5920, 17.7431

Background



This preview shows how black text looks on a background with the XYZ color 33.4407, 38.5920, 17.7431.



This preview shows how white text looks on a background with the XYZ color 33.4407, 38.5920,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.4407, 38.5920, 17.7431

Protanopia

35.5518, 38.5866, 17.1294

Deuteranopia

39.2034, 38.3321, 18.1646



Tritanopia

39.0183, 38.4008, 45.9130

Trichromacy



Original Color

33.4407, 38.5920, 17.7431

Protanomaly

34.6149, 38.3711, 17.3863

Deuteranomaly

36.7307, 38.1008, 17.9887

Tritanomaly

36.4796, 38.1623, 33.4604

Monochromacy



Original Color

33.4407, 38.5920, 17.7431

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.0957, 37.2729, 30.2083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4407, 38.5920, 17.7431 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(170, 171, 100)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 100)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(170, 171, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 100) }
```

Border

The CSS property to change the border of an element to XYZ 33.4407, 38.5920, 17.7431 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 171, 100) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(170, 171, 100) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(170, 171, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 100);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4407, 38.5920, 17.7431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 100) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(170,  
171, 100) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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